Appl. No. 09/898,172
Amdt. dated August 5, 2005
Reply to Office Action of July 13, 2005

PATENT

Amendments to the Specification:

Please amend paragraph [01] at page 1, lines 4-26 as follows:

[01]   This application claims priority from U.S. Provisional Application No. 60/243,925, entitled "SYSTEM FOR CONTENT DELIVERY OVER A COMPUTER NETWORK," filed on October 26, 2000 and U.S. Provisional Application 60/263,087, entitled "SYSTEM FOR SECURELY DELIVERING ENCRYPTED CONTENT ON DEMAND WITH ACCESS CONTROL," filed January 18, 2001. These applications are incorporated herein by reference for all purposes. This application is also related to the following U.S. Non provisional applications, U.S. Patent Application No. 08/420,710, now U.S. Patent No 5,627,892, entitled "DATA SECURITY SCHEME FOR POINT-TO-POINT COMMUNICATION SESSIONS," filed April 19, 1995; U.S. Patent Application No. [[_____]] 09/898,136, entitled "SYSTEM FOR DENYING ACCESS TO CONTENT GENERATED BY A COMPROMISED OFF LINE ENCRYPTION DEVICE AND FOR CONVEYING PERIODICAL KEYS FROM MULTIPLE CONDITIONAL ACCESS SYSTEMS," filed July 3, 2001; U.S. Application No. [[_____ _____]] 09/898,168, entitled "SYSTEM FOR SECURING ENCRYPTION RENEWAL DEVICE AND FOR REGISTRATION AND REMOTE ACTIVATION OF ENCRYPTION DEVICE," filed July 3, 2001; ~~U.S. Patent Application No._____, entitled "SYSTEM FOR DENYING ACCESS TO CONTENT GENERATED BY A COMPROMISED OFF LINE ENCRYPTION DEVICE AND FOR CONVEYING PERIODICAL KEYS FROM MULTIPLE CONDITIONAL ACCESS SYSTEMS," filed_____;~~U.S. Patent Application No. ~~July 3, 2001,~~ 09/898,184, entitled "SYSTEM FOR SECURELY DELIVERING PRE-ENCRYPTED CONTENT ON DEMAND WITH ACCESS CONTROL," filed July 3, 2001, all of which are hereby incorporated by reference in their entirety as if set forth in full in the present invention, for all purposes.

Please amend paragraph [08] at page 3, lines 14-28 as follows:

[08]   One solution to the aforementioned problem is disclosed in co-pending related U.S. Patent Application No. [[_____]] 09/898,184, entitled SYSTEM FOR SECURELY

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DELIVERING PRE-ENCRYPTED CONTENT ON DEMAND WITH ACCESS CONTROL,

filed July 3, 2001, which is hereby incorporated by reference in its entirety. In U.S. Patent

Application No. [[_____]] 09/898,184, a system is disclosed that encrypts content offline

(typically before the content is requested by the user) before it is distributed to point-to-point

systems such as cable systems. The system allows content to be encrypted once, at a centralized

facility, and to be useable at different point-to-point systems. Advantageously, the pre-encrypted

contents in the present invention have indefinite lifetimes. The system periodically performs an

operation called ECM retrofitting, enabling the content to be useable in multiple systems and

useable multiple times in the same system. The amount of data being processed during ECM

retrofitting is very small (on the order of several thousand bytes). There is no need to reprocess

the pre-encrypted contents. This is a significant advantage, as several thousand bytes represent

only a tiny fraction of the size of a typical 2-hour video program, which is about 3 gigabytes

(3,000,000,000 bytes) in size.

Please amend paragraph [09] at page 3, line 29 thru page 4, line 4 as follows:

[09]   A first aspect of U.S. Patent Application No. [[_____]] 09/898,184 system

includes a content preparation system (CPS) for pre-encrypting the content offline to form pre-

encrypted content; an encryption renewal system (ERS 104) for generating entitlement control

messages (ECMs) that allow the pre-encrypted content to be decryptable for a designated

duration; and a conditional access system (CAS). Conventionally, the CAS controls a population

of set-top boxes using a randomly generated category key. Only with possession of the category

key can the pre-encrypted content be decrypted by the set-top boxes. The category key is

initially forwarded to the ERS 104 which thereafter generates an ECM containing information

regarding the category key. The process or requesting and generating ECMs for pre-encrypted

content is known as ECM retrofitting.

Please amend paragraph [10] at page 4, lines 5-18 as follows:

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[10] After a VOD system receives pre-encrypted content and an associated encryption record, the system must receive appropriate retrofitted ECMs from the ERS 104 before the content is offered to consumers. The ECMs enable the pre-encrypted content to be decrypted. In this fashion, the ERS 104 can be connected to multiple VOD systems for which ECM retrofitting is performed. However, in order to perform ECM retrofitting, the VOD systems must submit a request to the ERS 104. Disadvantageously, without such a mechanism, it would be relatively difficult to initiate ECM retrofitting for the pre-encrypted content. Another disadvantage of U.S. Patent Application No. [[_____]] **09/898,184**, is that in some instances, each VOD server may employ a protocol version different or incompatible with the ERS 104 system version. In such cases, it necessary to employ a system allowing interoperability between all of the system components. A further disadvantage relates to the fact that ERS 104 is connectable to multiple VOD systems. Consequently, ERS 104 may become overwhelmed with multiple simultaneous requests, since the VOD systems must contact ERS 104 for the retrofitted ECMs.